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LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>	ATTY. DOCKET NO.	APPLICATION NO.
	10624-0092-999	10/009,945
	APPLICANT	
	Thomsen, G. and Wrana, J.	
FILING DATE	GROUP	
December 11, 2001	To Be Assigned	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HOB	AA	6,103,869	08/15/2000	Soucheinytoky et al.	530	330	
	AB	6,087,122	07/11/2000	Hustad et al.	435	29	
	AC	6,060,262	05/09/2000	Beer-Romero et al.	435	15	
	AD	6,001,619	12/14/1999	Beach et al.	435	193	
↓	AE	6194507	08/30/1999	Hoekstra et al.	534	441	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AF	Afrakhte, et al. 1998. "Induction of Inhibitory Smad6 and Smad7 mRNA by TGF- β family members," Biochemical and Biophysical Research Communications 244: 505-511.
AG	Baker, et al. 1996. "A novel mesoderm inducer, Madr2, functions in the activin signal transduction pathway," Genes & Development 10:1880-1889.
AH	Bartel, et al. 1990. "The recognition component of the N-end rule pathway," EMBO Journal 9: 3179-3189.
AI	Bartel, et al. 1995. "Analyzing protein-protein interactions using two-hybrid system," Methods in Enzymology, Vol. 254, (24):1-263.
AJ	Bashirullah, et al. 1998. "RNA Localization in Development," Annu. Rev. Biochem. 67:335-94.
AK	Bitzer, et al. 2000. "A mechanism of suppression of TGF- β /Smad signaling by NF-kB/Rel A," Genes & Development 14:187-197.
AL	Bonifacino, et al. 1998. "Ubiquitin and the Control of Protein Fate in the Secretory and Endocytic Pathways," Ann. Rev. Cell. Biol. 14:19-57.
AM	Chen, et al. 1995. "The WW domain of Yes-associated protein binds a proline-rich ligand that differs from the consensus established for Src homology 3-binding modules," Poc. Natl. Acad. Sci. USA 82:7819-7823.
AN	Chung, et al. 1998. "A novel, putative MEK kinase controls developmental timing and spatial patterning in Dictyostelium and is regulated by ubiquitin-mediated protein degradation," Genes Dev. 12: 3564-78.
AO	Coffman, T.M., 1997. "A genetic approach for studying the physiology of the Type 1A (AT _{1A}) Angiotensin Receptor," Seminars in Nephrology 17:404-411.
AP	Derynck, et al., 1998, "Smads: Transcriptional Activators of TGF- β Responses," Cell 19:737-740.
AQ	Dickson, B.J., 1998. "Photoreceptor development: Breaking down the barriers," Current Biology 8:R90-R92.
AR	Eppert, et al. 1996. "MADR2 Maps to 18q21 and encodes a TGF β -Regulated MAD-Related protein that is functionally mutated in Colorectal Carcinoma," Cell 86: 543-552.

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	AS	Epps, et al. 1998. "The Drosophila semushi mutation blocks nuclear import of Bicoid during embryogenesis," Current Biology 8:1277-1280.
	AT	Esther, Jr., et al. 1996. "Mice Lacking Angiotensin-Converting Enzyme Have Low Blood Pressure, Renal Pathology, and Reduced Male Fertility," Laboratory Investigation 74:953.
	AU	Fainsod, et al. 1994. "On the function of BMP-4 in patterning the marginal zone of the Xenopus embryo," Embo J 13:5015-25.
	AV	Gilboa, et al. 1998. "Oligomeric structure of Type I and Type II transforming growth Factor β Receptors: homodimers form in the ER and persist at the Plasma Membrane," J. Cell Biol. 140:767-777.
	AW	Govers, et al. 1999. "Identification of a novel ubiquitin conjugation motif, required for ligand-induced internalization of the growth hormone receptor," EMBO J. 18:28-36.
	AX	Graff, et al. 1996. "Xenopus Mad proteins transduce distinct subsets of signals for the TGF β Superfamily," Cell 86:1-20.
	AY	Harland, et al. 1997. "Formation and function of Spemann's Organizer," Ann. Rev. Cell Biol. 13:611-667.
	AZ	Harvey, et al. 1999. "Nedd4-like proteins: an emerging family of ubiquitin-protein ligases implicated in diverse cellular functions," Trends Cell Biol. 9:166-169.
	BA	Hayashi, et al. 1997. "The MAD-Related protein Smad7 Associates with the TGF β Receptor and Functions as an antagonist of TGF β signaling," Cell 89:1165-1173.
	BB	Hein, et al. 1995. "NPI1, an essential yeast gene involved in induced degradation of Gap1 and Fur4 permeases, encodes the RspS ubiquitin-protein ligase," Mol. Microbiol. 18:77-87.
	BC	Heldin, et al. 1997. "TGF- β signalling from cell membrane to nucleus through SMAD proteins," Nature 390:465-71.
	BD	Hemmati-Brivanlou, et al. 1995. "Ventral mesodermal patterning in Xenopus Embryos: expression patterns and activities of BMP-2 and BMP-4," Dev. Genet. 17:78-89.
	BE	Hemmati-Brivanlou, et al. 1997. "Vertebrate Embryonic Cells will become nerve cells unless told otherwise," Cell 88:13-17.
	BF	Henis, et al. 1994. "The Types II and III transforming growth Factor- β Receptors form Homo-Oligomers," J. Cell Biol. 126:139-154.
	BG	Hershko, et al. 1998. "The Ubiquitin System," Ann. Rev. Biochem. 67:425-479.
	BH	Hicke, L., 1999. "Gettin' down with ubiquitin: turning off cell-surface receptors, transporters and channels," Trends Cell Biol. 9:107-112.
	BI	Hochstrasser, M., 1996. "Ubiquitin-Dependent protein degradation," Ann. Rev. Genet. 30:405-439.
	BJ	Hoodless, et al. 1996. "MADR1, a MAD-Related protein that functions in BMP2 signaling pathways", Cell 85:489-500.
	BK	Horb, et al. 1997. "A vegetally-localized T-box transcription factor in Xenopus eggs specifies mesoderm and endoderm and is essential for embryonic mesoderm formation," Dev. 124:1689-1698.
	BL	Huang, et al. 1995. "Control of cell fate by a deubiquitinating enzyme encoded by the fat facets gene," Science 270:1828-31.
	BM	Huibregtse, et al. 1995. "A family of proteins structurally and functionally related to the E6-AP ubiquitin-protein ligase," Proc. Natl. Acad. Sci. U.S.A. 92:2563-7.

	BN	Imamura, et al. 1997. "Smad6 inhibits signaling by the TGF- β superfamily," <i>Nature</i> 389:622-626.
	BO	Ishisaki, et al. 1998. "Smad7 is an activin-inducible inhibitor of activin-induced growth arrest and apoptosis in Mouse B Cells," <i>J. Biol. Chem.</i> 273:24293-24296.
	BP	Itoh, et al. 1998. "Transforming growth factor β 1 induces nuclear export of inhibitory Smad7," <i>J. Biol. Chem.</i> 273:29195-29201.
	BQ	Jiang, et al. 1998. "Regulation of the Hedgehog and Wingless signalling pathways by the F-box/WD40-repeat protein Slimb," <i>Nature</i> 391:493-6.
	BR	Joazeiro, et al. 1999. "The tyrosine kinase negative regulator c-Cbl as a RING-Type, E2-Dependent ubiquitin-protein ligase," <i>Science</i> 286:309-312.
	BS	Jonk, et al. 1998. "Identification and functional characterization of a Smad binding element (SBE) in the JunB promoter that acts as a transforming growth Factor- β , activin, and bone morphogenetic protein-inducible enhancer," <i>J. Biol. Chem.</i> 273:21145.
	BT	Joseph, et al. 1998. "Mutant Vg1 ligands disrupt endoderm and mesoderm formation in <i>Xenopus</i> embryos," <i>Development</i> 125:2677-85.
	BU	Kawabata, et al. 1998. "Signal transduction by bone morphogenetic proteins," <i>Cytokine Growth Factor Rev.</i> 9:49-61.
	BV	Kimelman, et al. 1998. "Mesoderm Induction: A Postmodern View," <i>Cell</i> 94:419-21.
	BW	Kim, et al. 1997, "Drosophila Mad binds to DNA and directly mediates activation of vestigial by Decapentaplegic," <i>Nature</i> 388:304.
	BX	Kretzschmar, et al. 1997. "The TGF- β family mediator Smad1 is phosphorylated directly and activated functionally by the BMP receptor kinase," <i>Genes Dev.</i> 11:984-95.
	BY	Kumar, et al. 1997. "cDNA Cloning, expression analysis, and mapping of the Mouse Nedd4 Gene," <i>Genomics</i> 40:435-43.
	BZ	Kwon, et al. 1998. "The mouse and human genes encoding the recognition component of the N-end rule pathway," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 95:7898-903.
	CA	Levkowitz, et al. 1999. "Ubiquitin ligase activity and tyrosine phosphorylation underlie suppression of growth factor signaling by c-Cbl/Sli-1," <i>Mol. Cell</i> 4:1029-1040.
	CB	Lindsay, et al. 1998. "A deubiquitinating enzyme that disassembles free polyubiquitin chains is required for development but not growth in <i>dictyostelium</i> ," <i>J. Bio. Chem.</i> 273:24131-8.
	CC	Macias-Silva, et al. 1996. "MADR2 is a substrate of the TGF β receptor and its phosphorylation is required for nuclear accumulation and signaling," <i>Cell</i> 87:1215-1224.
	CD	Macias-Silva, et al. 1998. "Specific activation of Smad1 signaling pathways by the BMP7 Type 1 Receptor, ALK2," <i>J. Biol. Chem.</i> 273:25628-36.
	CE	Massague, et al. 2000. "Controlling TGF- β signaling," <i>Genes Deve.</i> 14:627-644.
	CF	Massague, J., 1998. "TGF- β signal transduction," <i>Ann. Rev. Biochem.</i> 67:753-791.
	CG	Miyazono, K., 2000. "TGF- β signaling by Smad proteins," <i>Cyto. Growth Factor Rev.</i> 11:15-22.
	CH	Murakami, et al. 1996. "Hypertensive and Hypotensive Mice produced by the introduction and disruption of genes on the Renin-Angiotensin system," <i>Blood Press. Suppl.</i> 2:36.

	CI	Muralidhar, et al. 1993. "The Drosophila bendless gene encodes a neural protein related to ubiquitin-conjugating enzymes," <i>Neuron</i> 11:253-66.
	CJ	Nakao, et al. 1997. "Identification of Smad7, a TGF β -inducible antagonist of TGF- β signalling," <i>Nature</i> 389:631-635.
	CK	Nalefski, et al. 1996. "The C2 domain calcium-binding motif: Structural and functional diversity," <i>Protein Sci.</i> 5:2375-2390.
	CL	Nefsky, et al. 1996. "Pub1 acts as an E6-AP-like protein ubiquitin ligase in the degradation of cdc25," <i>Embo. J.</i> 15:1301-1312.
	CM	Patton, et al. 1998. "Combinatorial control in ubiquitin-dependent proteolysis: don't Skp the F-box hypothesis," <i>Trends. Genet.</i> 14:236-243.
	CN	Plant, et al. 1997. "The c2 domain of the ubiquitin protein ligase Nedd4 mediates Ca $^{2+}$ -dependent plasma membrane localization," <i>J. Biol. Chem.</i> 272:32329-36.
	CO	Pukatzki, et al. 1998. "A novel component involved in ubiquitination is required for development of Dictyostelium discoideum," <i>J Biol. Chem.</i> 273:24131-8.
	CP	Reddi, A. H., 1998. "Role of morphogenetic proteins in skeletal tissue engineering and regeneration," <i>Nature Biotech.</i> 16:247-252.
	CQ	Reeck, et al. 1987. "Homology" in proteins and nucleic acids: A terminology muddle and a way out of it," <i>Cell</i> 50:667.
	CR	Rotin, D., 1998. "WW (WWP) domains: From structure to function," <i>Curr. Topics Microbiol. Immunol.</i> 228:115-133.
	CS	Sasai, et al. 1997. "Ectodermal patterning in vertebrate embryos," <i>Dev. Biol.</i> 182:5-20.
	CT	Scheiffner, et al. 1993. "The HPV-16 E6 and E6-AP Complex functions as a ubiquitin-protein ligase in the ubiquitination of p53," <i>Cell</i> 75:495-505.
	CU	Staub, et al. 1997. "Immunolocalization of the ubiquitin-protein ligase Nedd4 in tissues expressing the epithelial Na $^+$ channel (EnaC)," <i>Am. J Physiol.</i> 272:C1871-80.
	CV	Staub, et al. 2000. "Regulation of stability and function of the epithelial Na $^+$ channel (EnaC) by ubiquitination," <i>Kidney Int.</i> 57:809-815
	CW	Staub, et al. 1997. "Regulation of the epithelial Na $^+$ channel by Nedd4 and ubiquitination," <i>EMBO J</i> 16:6325-6336.
	CX	Staub, et al. 1996. "WW domains," <i>Structure</i> 4:495-499.
	CY	Staub, et al. 1996. "WW domains of Nedd4 bind to the proline-rich PY motifs in the epithelial Na $^+$ channel deleted in Liddle's syndrome," <i>EMBO J.</i> 15:2371-2380.
	CZ	Suzuki, et al. 1997. "Smad5 induces ventral fates in Xenopus embryo," <i>Dev. Biol.</i> 184:402-405.
	DA	Takase, et al. 1998. "Induction of Smad6 mRNA by bone morphogenetic proteins," <i>Biochem. Biophys. Res. Commun.</i> 244:26-29.
	DB	Thomsen, G.H., 1997. "Antagonism within and around the organizer: BMP inhibitors in vertebrate body patterning," <i>Trends Genet.</i> 13:209-211.
	DC	Thomsen, G.H., 1996. "Xenopus mothers against decapentaplegic is an embryonic ventralizing agent that acts downstream of the BMP-2/4 receptor," <i>Development</i> 122:2359-66.

	DD	Tsukazaki, et al. 1998. "SARA , a FYVE domain protein that recruits Smad2 to the TGF β receptor," Cell 95:799-791.
	DE	Ulloa, et al. 1999. "Inhibition of transforming growth factor- β /SMAD signalling by the interferon- γ /STAT pathway," Nature 397:710-713.
	DF	van Kerkhof, et al. 2000. "Endocytosis and degradation of the growth hormone receptor are proteasome-dependent," J. Biol. Chem. 275:1575-1580.
	DG	Wang, , et al. 1999. "Functional domains of the Rsp5 Ubiquitin-protein ligase," Mol. Cell Biol. 19:342-52.
	DH	Whitman, M., 1998. "Smads and early developmental signaling by the TGF β superfamily," Genes and Dev. 12:2445-2462.
	DI	Wigler, et al. 1979. "Transformation of mammalian cells with genes from prokaryotes and eukaryotes," Cell 16:777-785.
	DJ	Wilson, et al. 1997. "Concentration-dependent patterning of the Xenopus ectoderm by BMP4 and its signal transducer Smad1," Dev. 124:3177-3184.
	DK	Wrana, et al. 2000. "Regulation of Smad activity," Cell 100:189-192.
	DL	Wrana, et al. 2000. "The Smad pathway," Cytokine & Growth Factor Reviews 11:5-13.
EXAMINER	<i>Hope Robertson</i>	
	DATE CONSIDERED 9/30/04	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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